

Abstract of the Disclosure

The present invention relates to compositions and methods for regulating an immune response in a subject, particularly to treat a subject with a tumor, notably a solid tumor, or an infectious disease. Disclosed are methods of regulating the innate immunity in a subject, such as by regulating the activity of  $\gamma\delta$  T cells in a subject. Disclosed are combinations of particular agents, such as a cytokine and a  $\gamma\delta$  T cell activator, particular regimens and dosages can produce a remarkable expansion of  $\gamma\delta$  T cells *in vivo* and a remarkable increase in a subject's immune defense. The invention can be used for therapeutic purposes, to produce, regulate or facilitate an immune response in a subject.